

Dentistry (English)			
Bachelor	TR-NQF-HE: Level 6	QF-EHEA: First Cycle	EQF-LLL: Level 6

Course Introduction and Application Information

Course Code:	UNI267		
Course Name:	Cosmology History		
Semester:	Spring Fall		
Course Credits:	<div>ECTS</div> <div>5</div>		
Language of instruction:	English		
Course Condition:			
Does the Course Require Work Experience?:	No		
Type of course:	University Elective		
Course Level:	<div> <div>Bachelor</div> <div>TR-NQF-HE:6. Master`s Degree</div> <div>QF-EHEA:First Cycle</div> <div>EQF-LLL:6. Master`s Degree</div> </div>		
Mode of Delivery:	E-Learning		
Course Coordinator:	Dr. Öğr. Üy. EMRE DEMİR		
Course Lecturer(s):	Dr. Öğr. Üyesi Emre DEMİR		
Course Assistants:			

Course Objective and Content

Course Objectives:	Students who are successful in this course, without any knowledge of physics or mathematics (and geometry), have been purposed to be introduced the history of cosmology theories in chronological order, which is an important part of the history of science and to make them realize how the human thought and belief structures have evolved in this process, as well as their practical skills. In this sense, the aim of this course is to make them comprehend the basis of
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	current issues about cosmology and the point it has reached, and to make students curious about scientific thinking and research.
Course Content:	They understand how humanity's way of thinking astronomy and later cosmology evolved, starting with prehistoric civilizations. With this knowledge, they see in a general chronology how practical applications such as religion and mainly the calendar, and then scientific developments of each period (with knowledge of mathematics / geometry and physics) are used for questions and solutions about the Universe. Meanwhile, they get simple information about prehistoric and post-historical civilizations and get to know scientists and thinkers.

Learning Outcomes

The students who have succeeded in this course;

- 1) Explains the emergence and development of information about cosmology in the prehistoric and post-historical period in general terms.
- 2) outlines basic popular knowledge about the history of cosmology and contemporary theories.

Course Flow Plan

Week	Subject	Related Preparation
1)	Introduction of Basic Concepts	Instructor Lecture notes
2)	The Universe Ideas in Ancient Egypt	Instructor Lecture notes
3)	The Universe Ideas in Ancient Mesopotamian Civilizations	Instructor Lecture notes
4)	The Universe Ideas in Ancient China	Instructor Lecture notes
5)	The Universe Ideas in Ancient India	Instructor Lecture notes
6)	The Understanding of the Universe in Pre-Islamic Turks.	Instructor Lecture notes
7)	Understanding of the Universe in Post-Islamic Turks.	Instructor Lecture notes
8)	Midterm Exam Week	
9)	The Universe Ideas in Ancient Greek Civilization.	Instructor Lecture notes
10)	The Universe Ideas through the eras of Hellenistic and Roman.	Instructor Lecture notes
11)	The Universe Ideas in the Medieval Christian and Islamic World	Instructor Lecture notes
12)	The Universe Ideas in the Renaissance and Enlightenment Periods.	Instructor Lecture notes
13)	The Theories of the Universe in the 19th Century.	Instructor Lecture notes
14)	The Theories of the Universe in the 20th Centuries.	Instructor Lecture notes

15)	The Theories of the Universe in the 21st Centuries.	Instructor Lecture notes
16)	Final Exam Week	

Sources

Course Notes / Textbooks:	Öğretim Elemanı Ders notları - Instructor Lecture notes
References:	Öğretim Elemanı Ders notları - Instructor Lecture notes

Course - Program Learning Outcome Relationship

Course Learning Outcomes	1	2
Program Outcomes		
1) Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.		
2) Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.		
3) Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.		
4) Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.		
5) Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.		
6) Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.		
7) Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient, and recommends the most appropriate treatment with a patient-centered approach.		
8) Follows technological developments, participates in national and international studies, and shares and presents own observations, experiences, and research to further advance dental practices.		
9) By adopting the principle of lifelong learning throughout the dentistry profession, follows current evidence-based dental knowledge and uses it during his professional practice.		
10) During dental practice, in cases such as abuse and addiction, performs the treatment by exhibiting the behaviors required by social ethics and legal rules, and collects and records the relevant data.		

11) Uses basic and current knowledge in the field of dentistry during professional practice for the benefit of society within the framework of national values and country realities.	1	2
12) In natural disasters and emergency cases, takes the protective measures required by the dentistry profession; performs professional practices that benefit patients and society		
13) Generates ideas regarding health policy in dentistry, prioritizes individual and public health, and carries out preventive and therapeutic medical practices within the framework of scientific, ethical, and quality processes.		
14) Differentiates the signs and symptoms commonly encountered in the dentistry profession, makes a treatment plan and refers when necessary, and manages diseases and clinical situations regarding their urgency and patient priority.		
15) Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.		

Course - Learning Outcome Relationship

No Effect	1 Lowest	2 Average	3 Highest

	Program Outcomes	Level of Contribution
1)	Has basic and up-to-date knowledge in the field of dentistry, follows scientific publications, and applies evidence-based data to his/her professional practice.	
2)	Knows well and effectively uses devices, tools, and materials specific to diagnosis and treatment in the field of dentistry.	
3)	Evaluates the knowledge in the field of dentistry critically, integrates it with the knowledge of disciplines in the field of health, uses it by analyzing and synthesizing it.	
4)	Produces projects related to the field of dentistry, can work with other health disciplines, takes part as a member of the research team and evaluates and reports the results obtained at a scientific level.	
5)	Uses information that will contribute to the dentistry profession during practice, takes responsibility, and produces solutions in unforeseen situations.	
6)	Shares, compares, and exchanges dental knowledge with professional colleagues in social and scientific environments in written, verbal, and visual forms.	
7)	Within the framework of social, scientific, and ethical values including patient privacy, communicates with patients and their relatives, knows all the characteristics of the patient,	

	and recommends the most appropriate treatment with a patient-centered approach.	
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15)	Can assume the leadership responsibility of the team he/she works for, manage it following scientific criteria, and support the professional development of the team.	

Assessment & Grading

Semester Requirements	Number of Activities	Level of Contribution
Midterms	1	% 40
Final	1	% 60
total		% 100
PERCENTAGE OF SEMESTER WORK		% 40
PERCENTAGE OF FINAL WORK		% 60
total		% 100

Workload and ECTS Credit Calculation

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Activities	Number of Activities	Preparation for the Activity	Spent for the Activity Itself	Completing the Activity Requirements	Workload
Course Hours	14	4	2		84
Study Hours Out of Class	14	0	1		14
Midterms	1	14	1		15
Final	1	14	1		15
Total Workload					128